

WHAT IS CLAIMED IS:

1. An intake system for an internal combustion engine comprising:
 - at least two intake valves;
 - a passage through which a mixture of gas is supplied to each of said intake valves;
 - a passage separating partition wall provided in said passage for supplying each said mixture of gas, respectively, to each of said intake valves;
 - an intake port opening into which said mixture of gas is taken in so as to supply said mixture of gas into said passage; and
 - a partition wall for bisecting said intake port opening, said partition wall being mounted in said intake port opening oppositely to said passage partition wall for supplying each said mixture of gas, respectively, to each of said intake valves, in such a manner as to be replaceable with another partition wall.
2. The intake system for internal combustion engine as set forth in claim 1, wherein the replaceable partition wall for bisecting said intake port opening is composed of a plate of a predetermined length.
3. The intake system for internal combustion engine as set forth in claim 1, and further including a groove formed in an inter wall surface of said passage for receiving said partition wall, said groove being disposed at a predetermined

disposition relative to said passage separating partition wall.

4. The intake system for internal combustion engine as set forth in claim 1, wherein said intake port through which a mixture of gas is supplied is of a predetermined length and said partition wall is of a predetermined length for extending within said intake port through which a mixture of gas is supplied.

5. The intake system for internal combustion engine as set forth in claim 4, wherein a plurality of partition walls are available for selectively positioning a selected partition wall within said passage through which a mixture of gas is supplied for varying the output characteristics of an internal combustion engine depending of the operator's desired output.

6. The intake system for internal combustion engine as set forth in claim 1, wherein said partition wall includes a straight surface with two substantially parallel edges extending therefrom and an arcuate curved section formed at a predetermined distance displaced from the straight surface.

7. The intake system for internal combustion engine as set forth in claim 6, wherein the predetermined distance displaced from the straight surface is formed to permit the partition wall to vary the operating characteristics of an internal combustion engine depending on the particular partition wall that is selected.

8. The intake system for internal combustion engine as set forth in claim 1, wherein the partition wall is formed of steel.

9. The intake system for internal combustion engine as set forth in claim 1, wherein the partition wall is stamped.

10. The intake system for internal combustion engine as set forth in claim 1, wherein the partition wall is formed of aluminum.

11. An intake system adapted to be used with an internal combustion engine comprising:

at least two intake valves;

an intake passage adapted to supply a mixture of gas to each of said intake valves;

an intake passage separating partition wall provided in said intake passage for supplying a mixture of gas, respectively, to each of said intake valves; and

a partition wall for bisecting said intake passage, said partition wall being mounted in said intake passage oppositely to said passage partition wall for supplying a mixture of gas, respectively, to each of said intake valves, said partition wall being removably mounted within said intake passage.

12. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, wherein the replaceable partition wall for bisecting said intake passage is composed of a plate of a predetermined length.

13. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, and further including a groove formed in an inter wall surface of said intake passage for receiving said partition wall, said groove being disposed at a predetermined disposition relative to said passage separating partition wall.

14. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, wherein said intake passage through which a mixture of gas is supplied is of a predetermined length and said partition wall is of a predetermined length for extending within said intake passage through which a mixture of gas is supplied.

15. The intake system adapted to be used with an internal combustion engine as set forth in claim 14, wherein a plurality of partition walls are available for selectively positioning a selected partition wall within said intake passage through which a mixture of gas is supplied for varying the output characteristics of an internal combustion engine depending of the operator's desired output.

16. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, wherein said partition wall includes a straight surface with two substantially parallel edges extending therefrom and an arcuate curved section formed at a predetermined distance displaced from the straight surface.

17. The intake system adapted to be used with an internal combustion engine as set forth in claim 16, wherein the predetermined distance displaced from the straight surface is formed to permit the partition wall to vary the operating characteristics of an internal combustion engine depending on the particular partition wall that is selected.

18. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, wherein the partition wall is formed of steel.

19. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, wherein the partition wall is stamped.

20. The intake system adapted to be used with an internal combustion engine as set forth in claim 11, wherein the partition wall is formed of aluminum.